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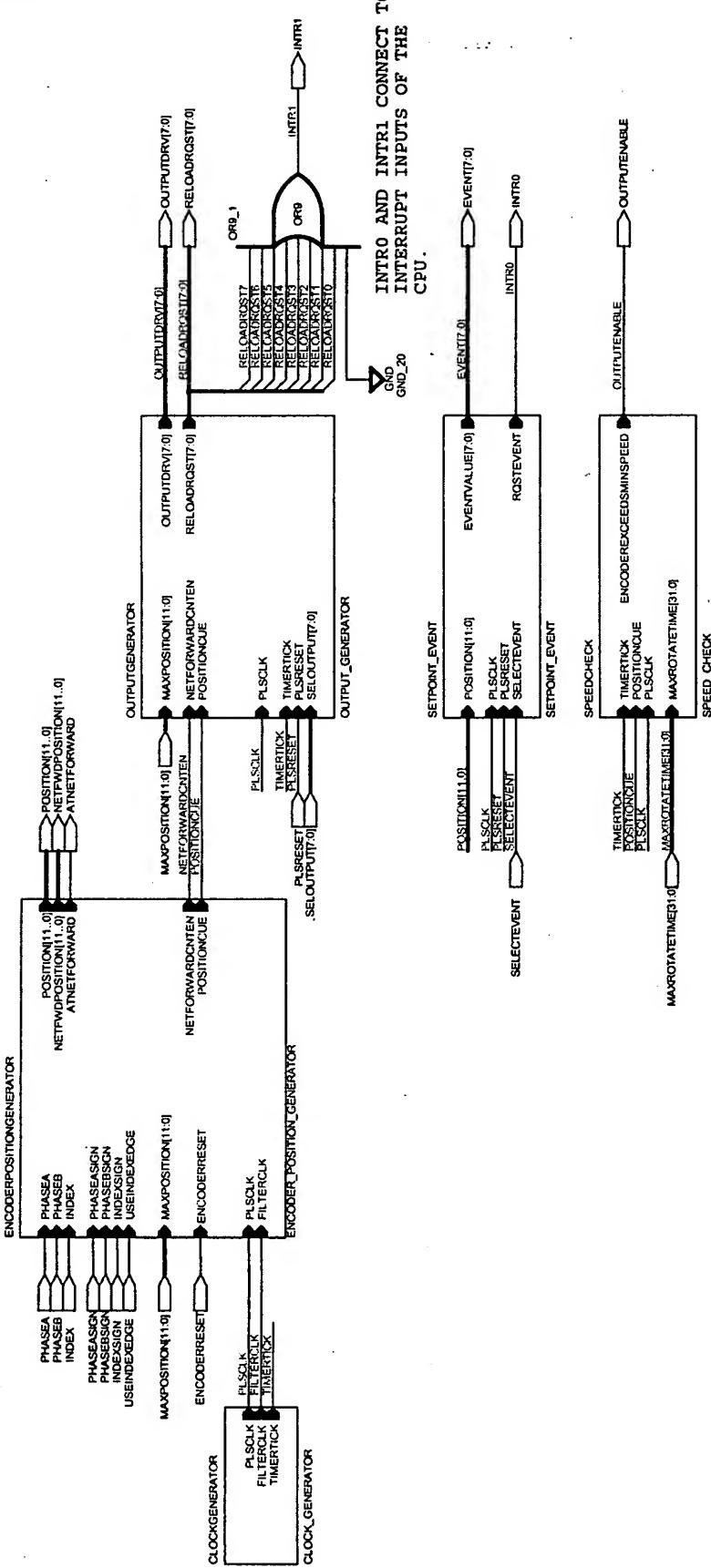
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FIGURE 1 -- PROGRAMMABLE PULSE SEQUENCER



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FIGURE 2 -- CLOCK GENERATOR

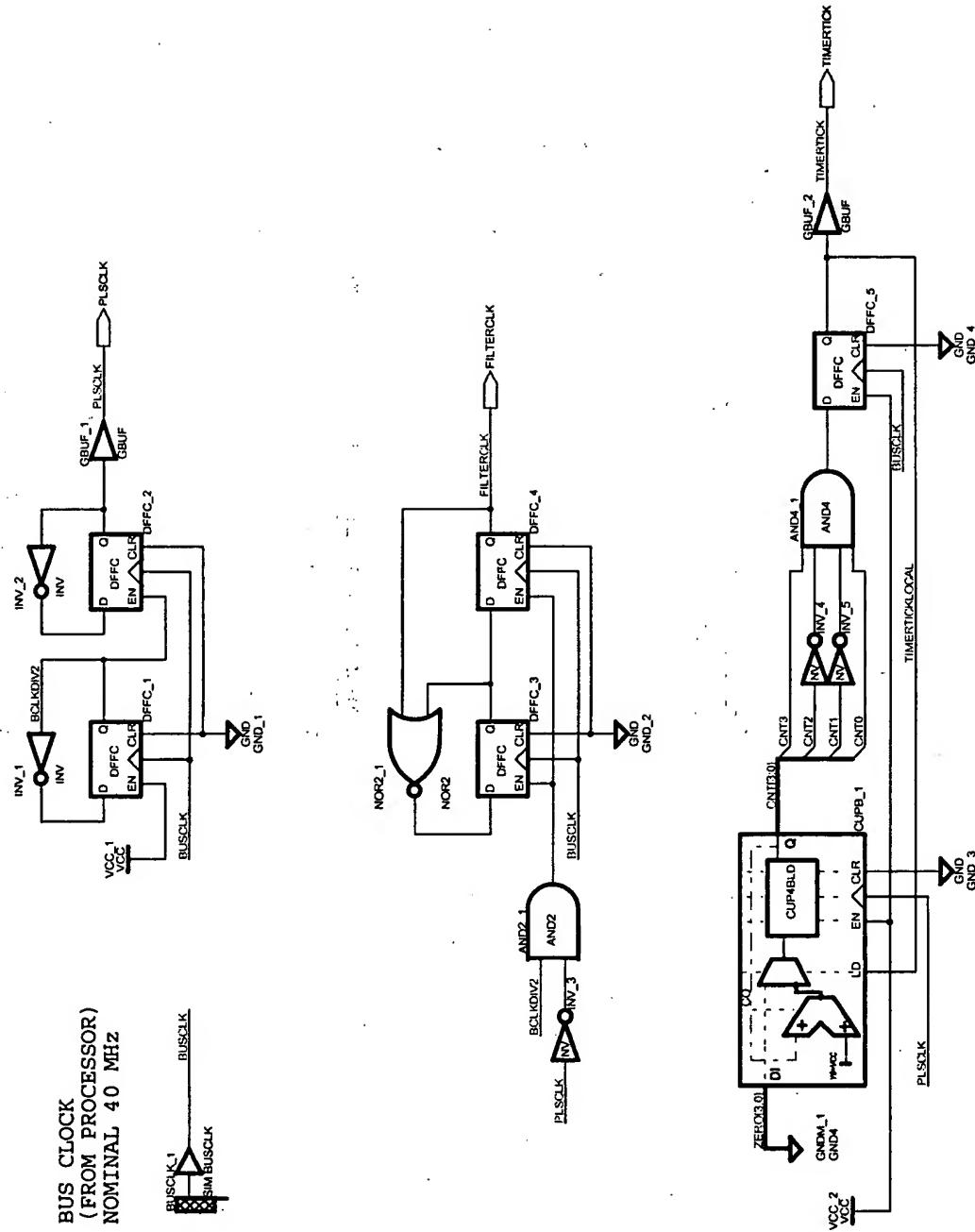
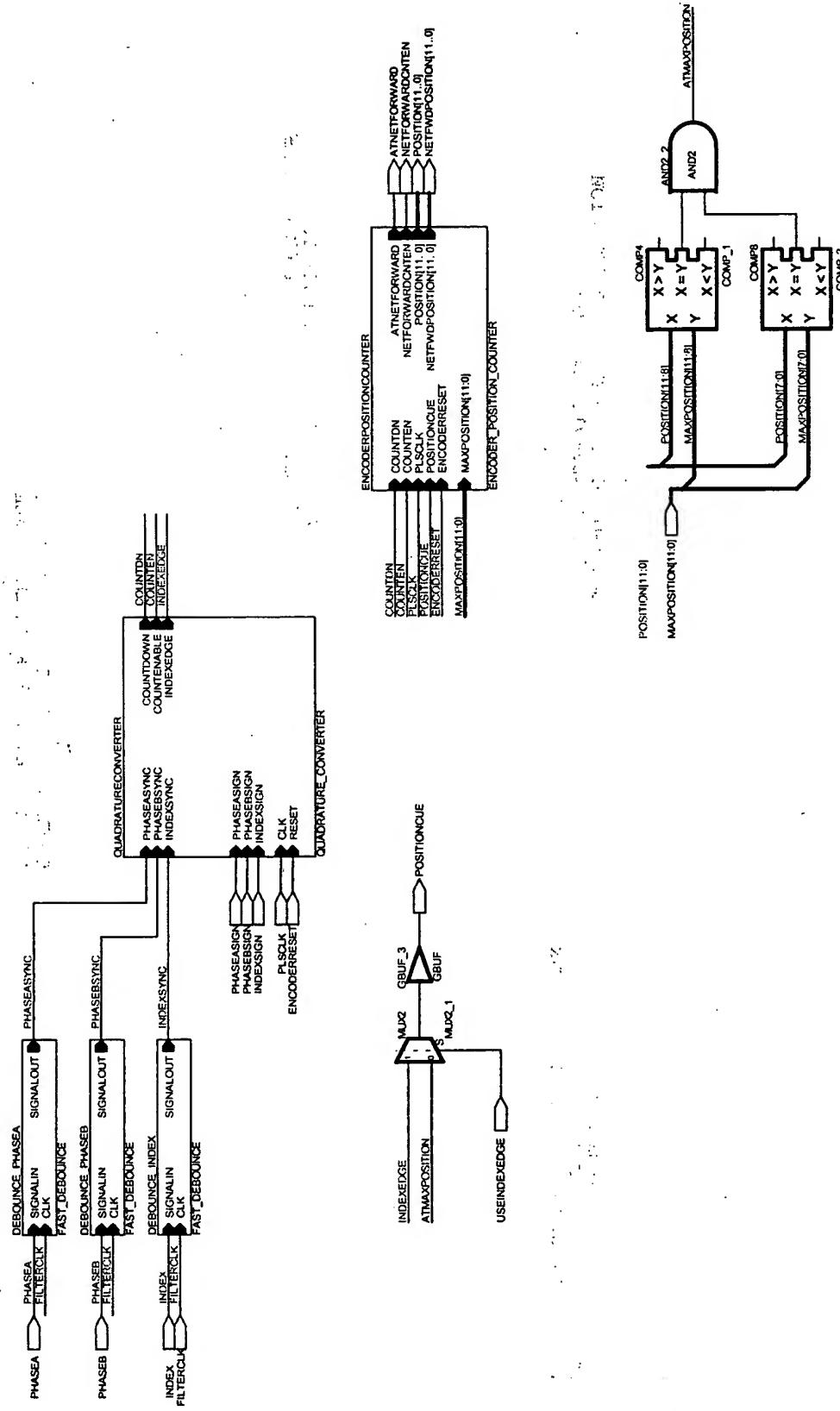
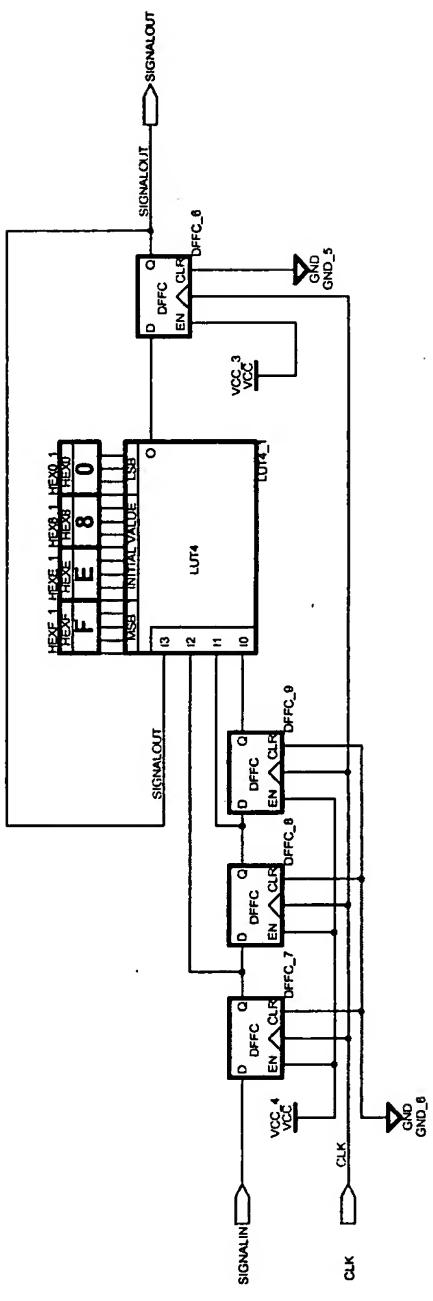


FIGURE 3 -- ENCODER POSITION GENERATOR



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FIGURE 4 -- FAST SIGNAL DEBOUCE



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FIGURE 5 -- QUADRATURE CONVERTER

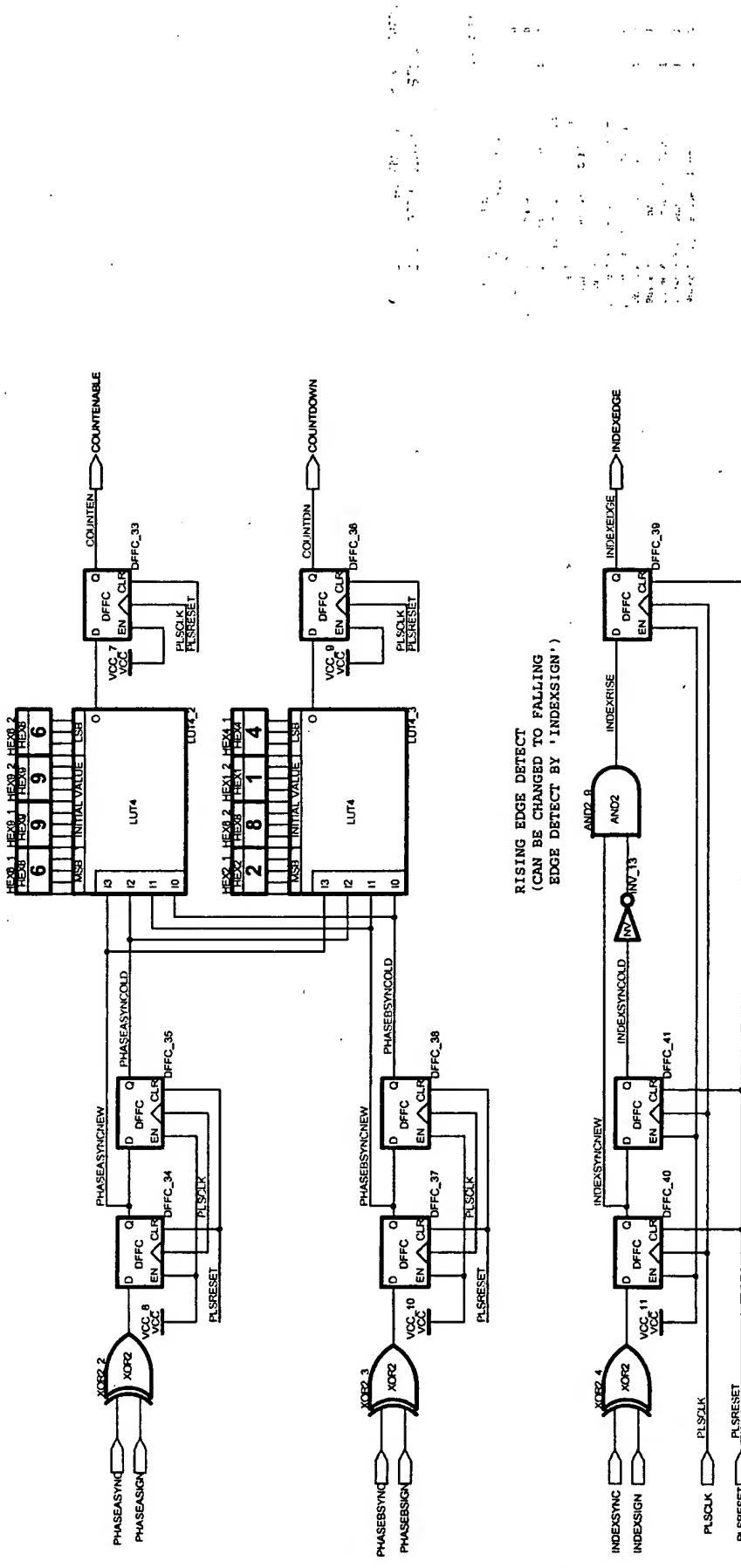
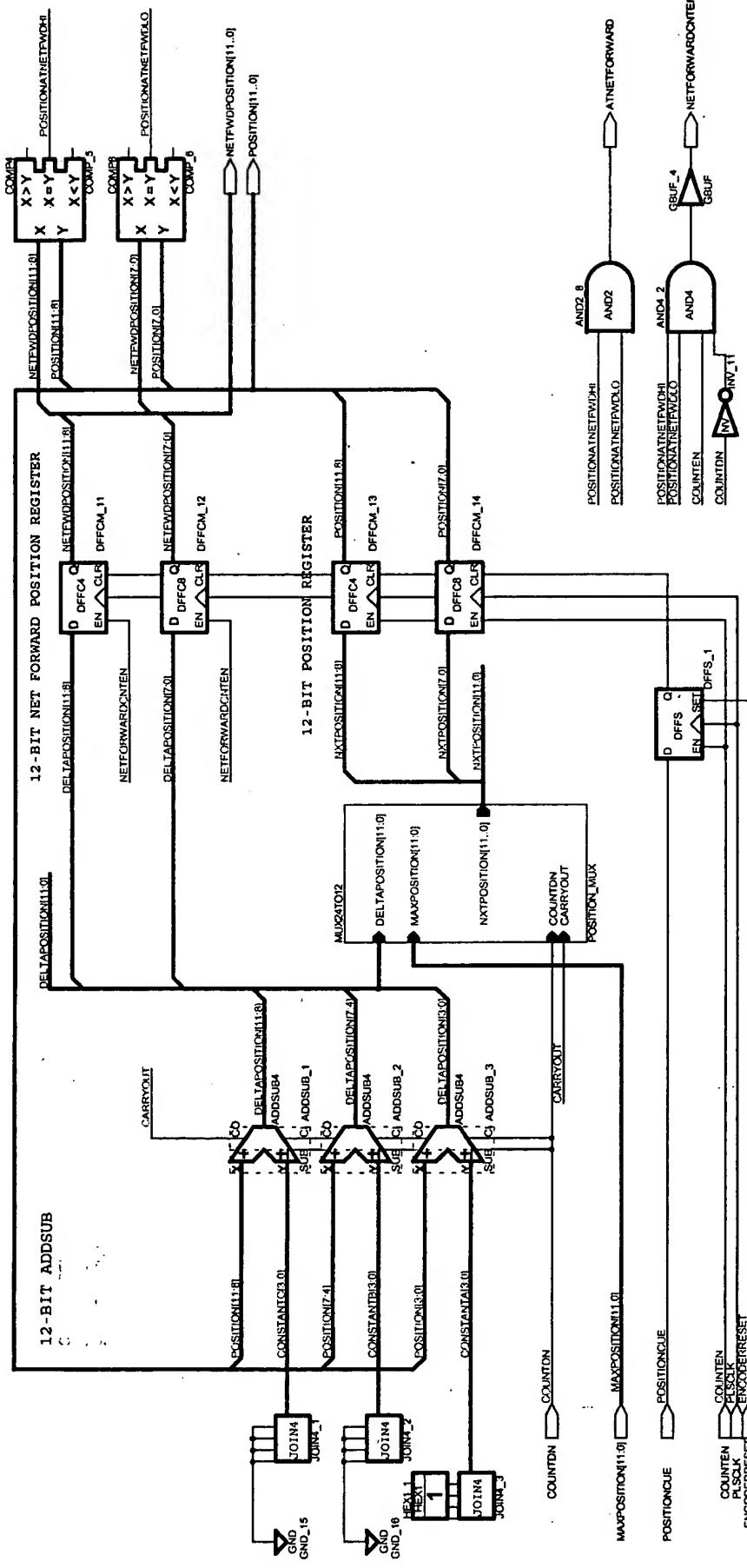
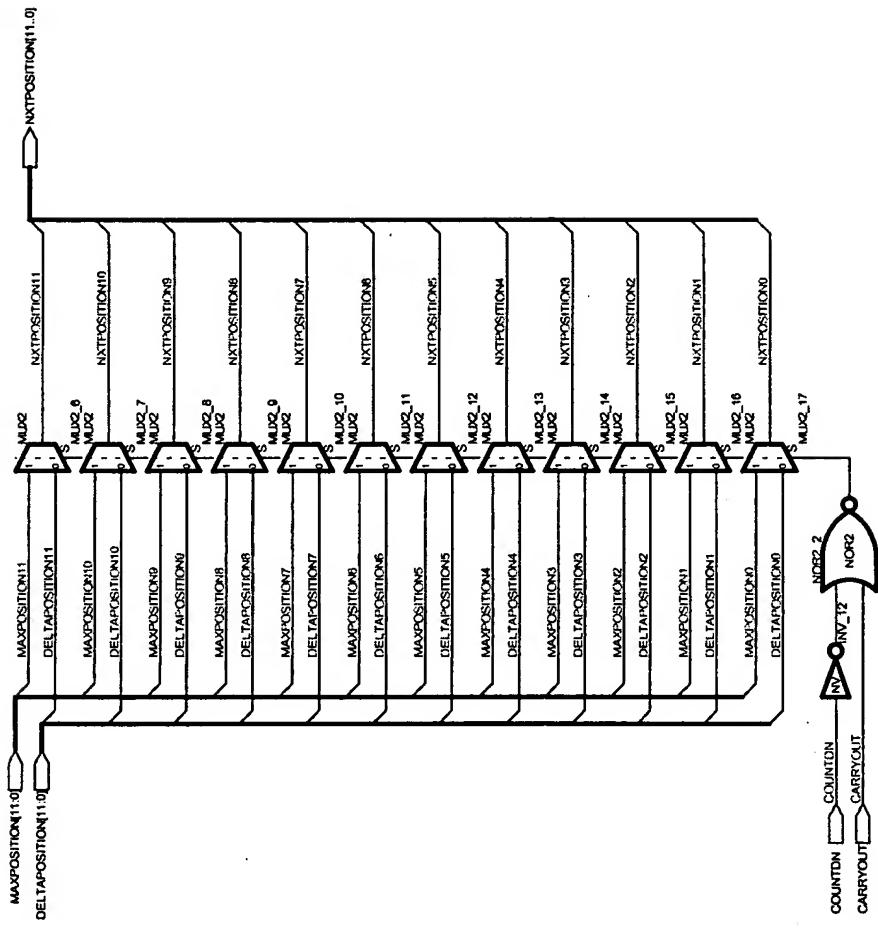


FIGURE 6 -- ENCODER POSITION COUNTER WITH NET FORWARD POSITION REGISTER



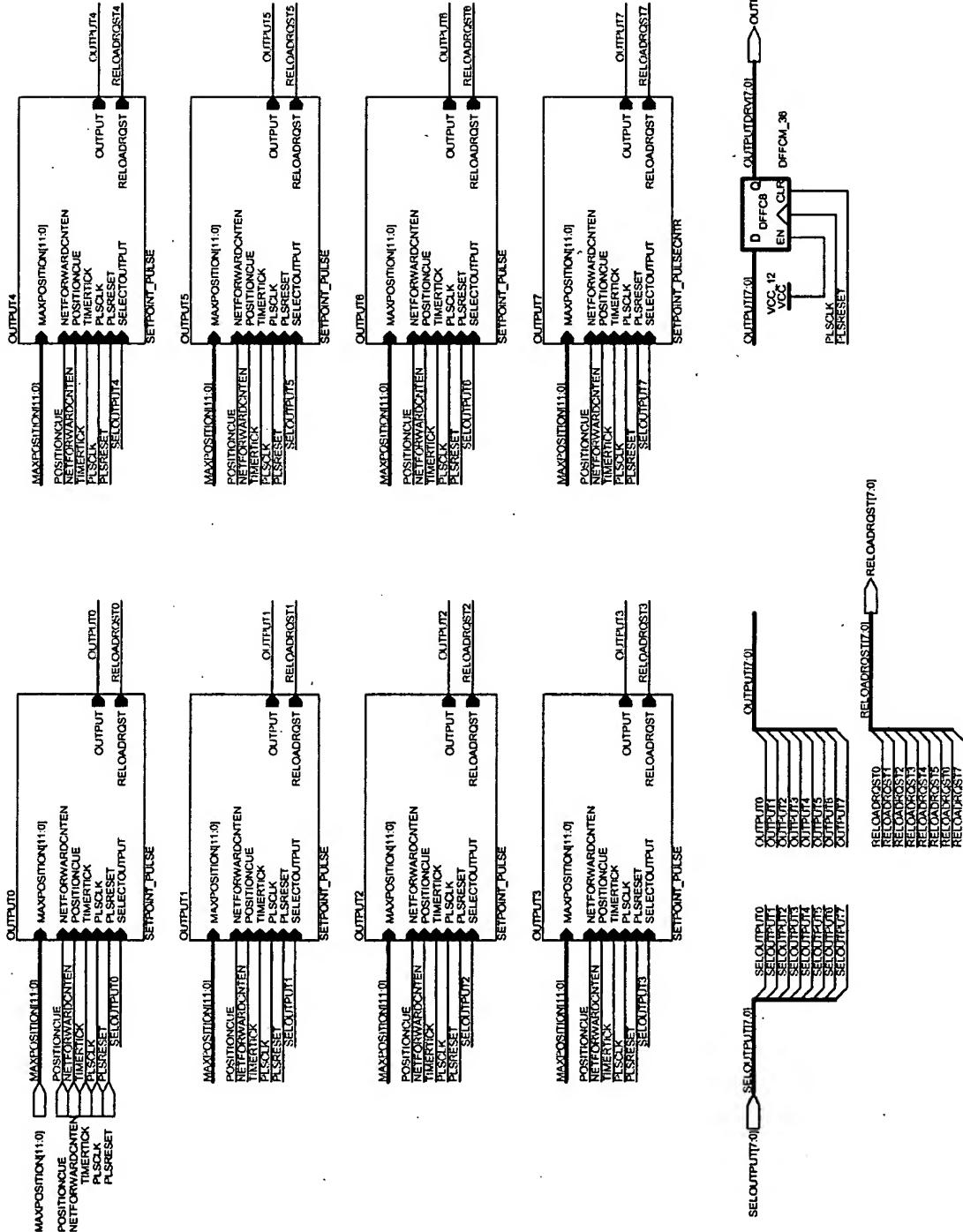
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FIGURE 7 -- POSITION MULTIPLEXOR



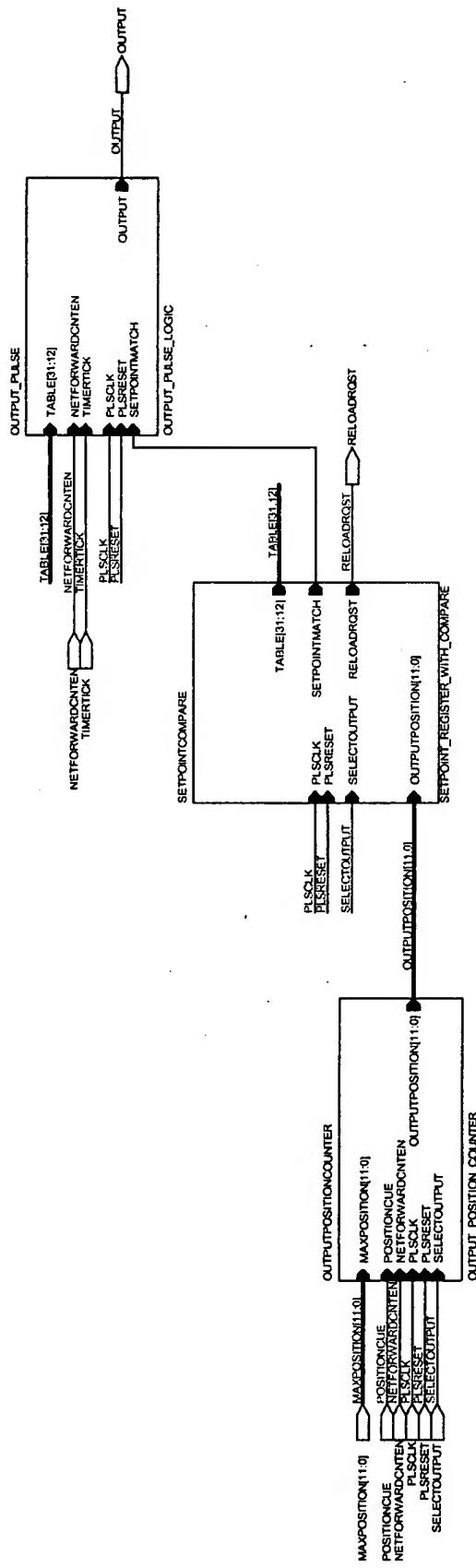
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FIGURE 8 -- OUTPUT GENERATOR



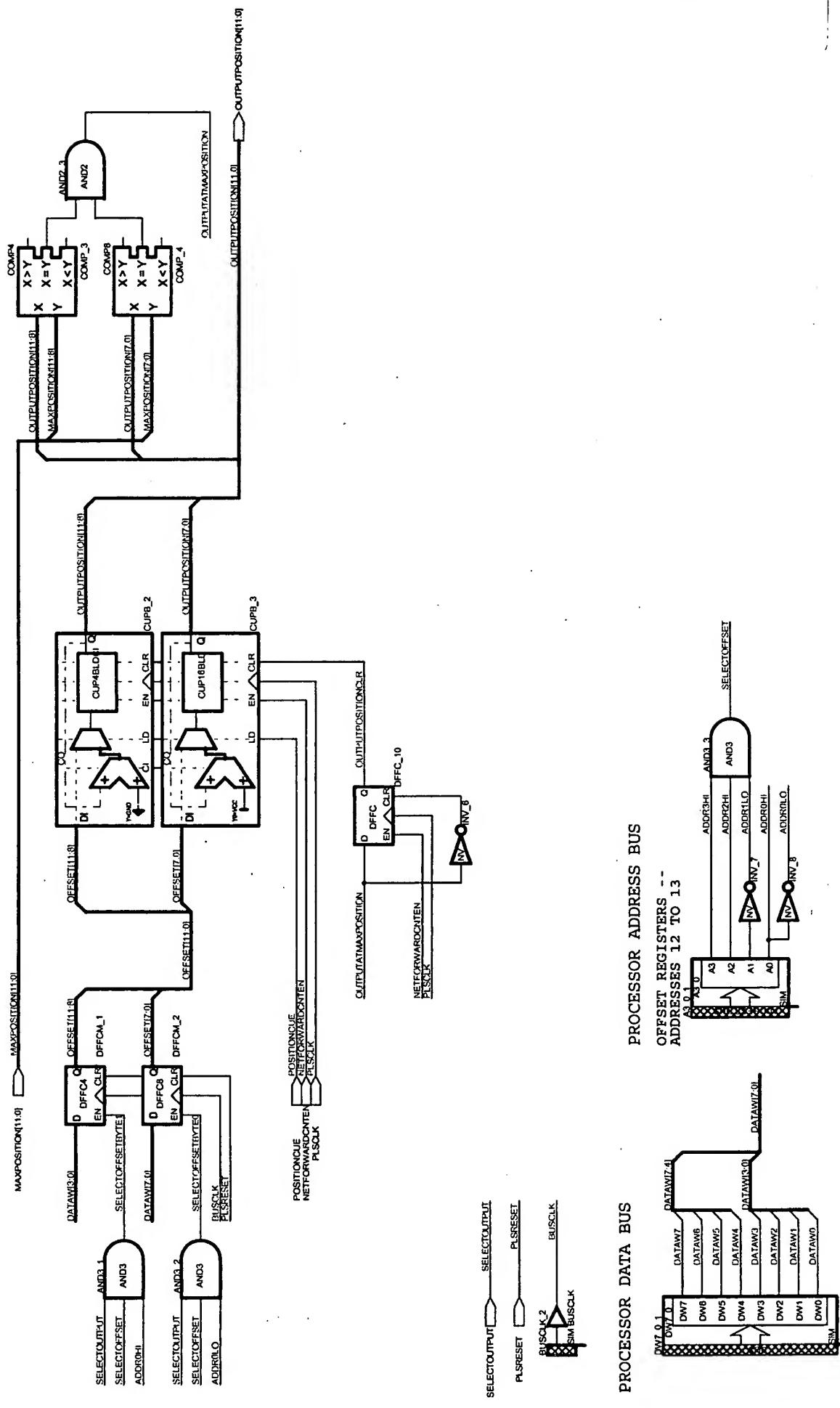
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FIGURE 9 -- SETPOINT PULSE MODULE



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FIGURE 10 -- OUTPUT POSITION COUNTER



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FIGURE 11 -- SETPOINT REGISTER WITH COMPARE

TABLE REGISTERS

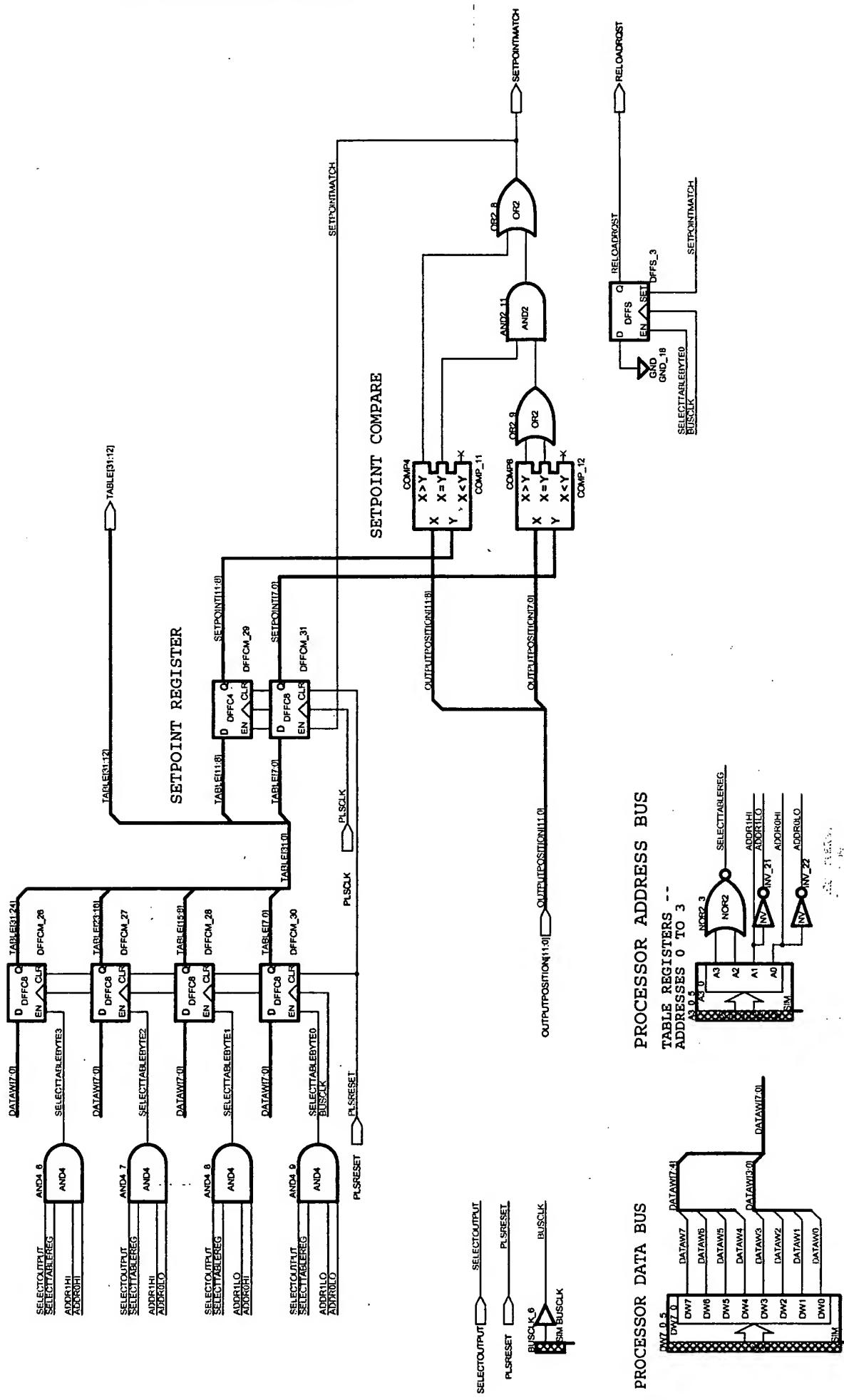


FIGURE 12 -- OUTPUT PULSE LOGIC

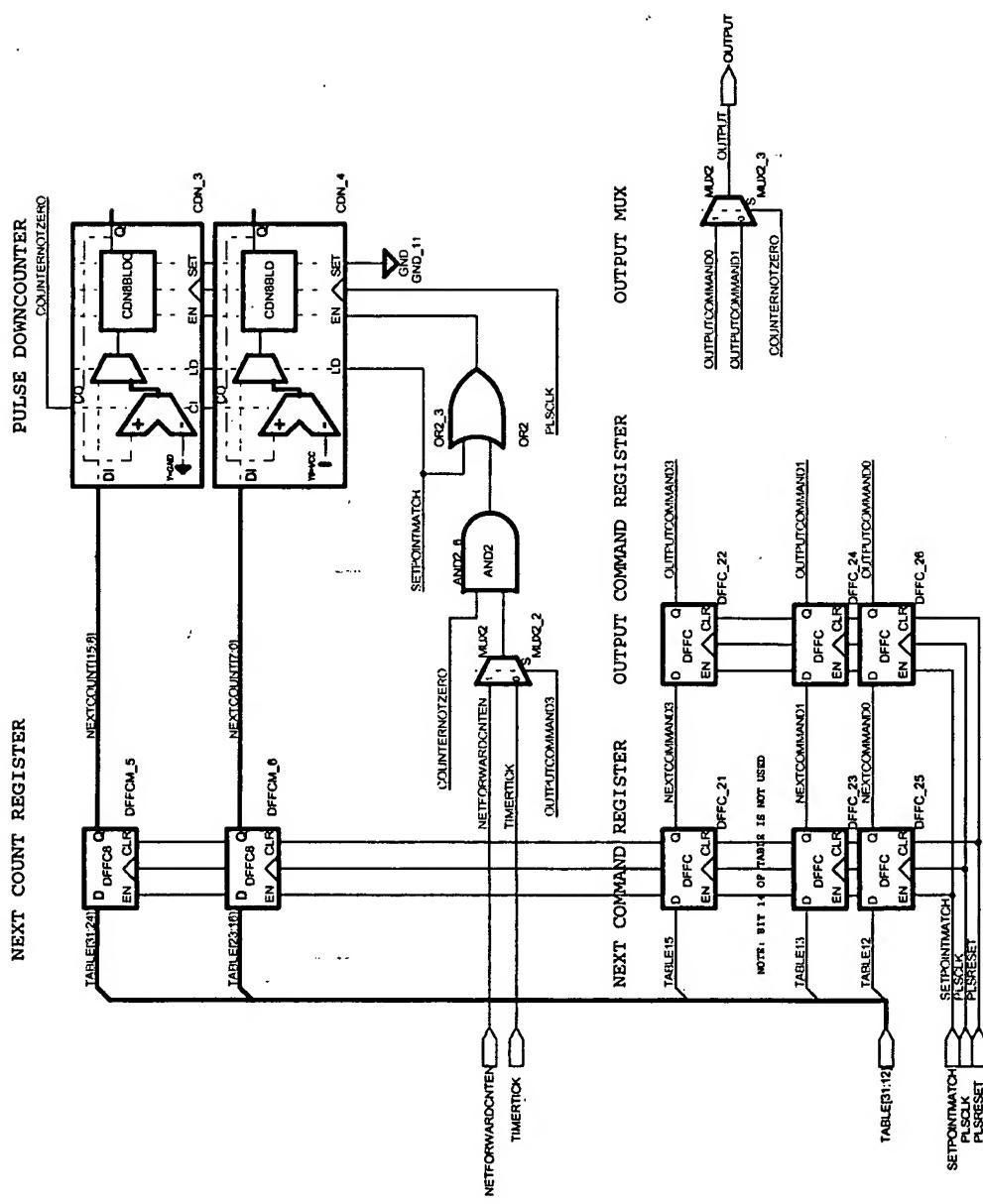
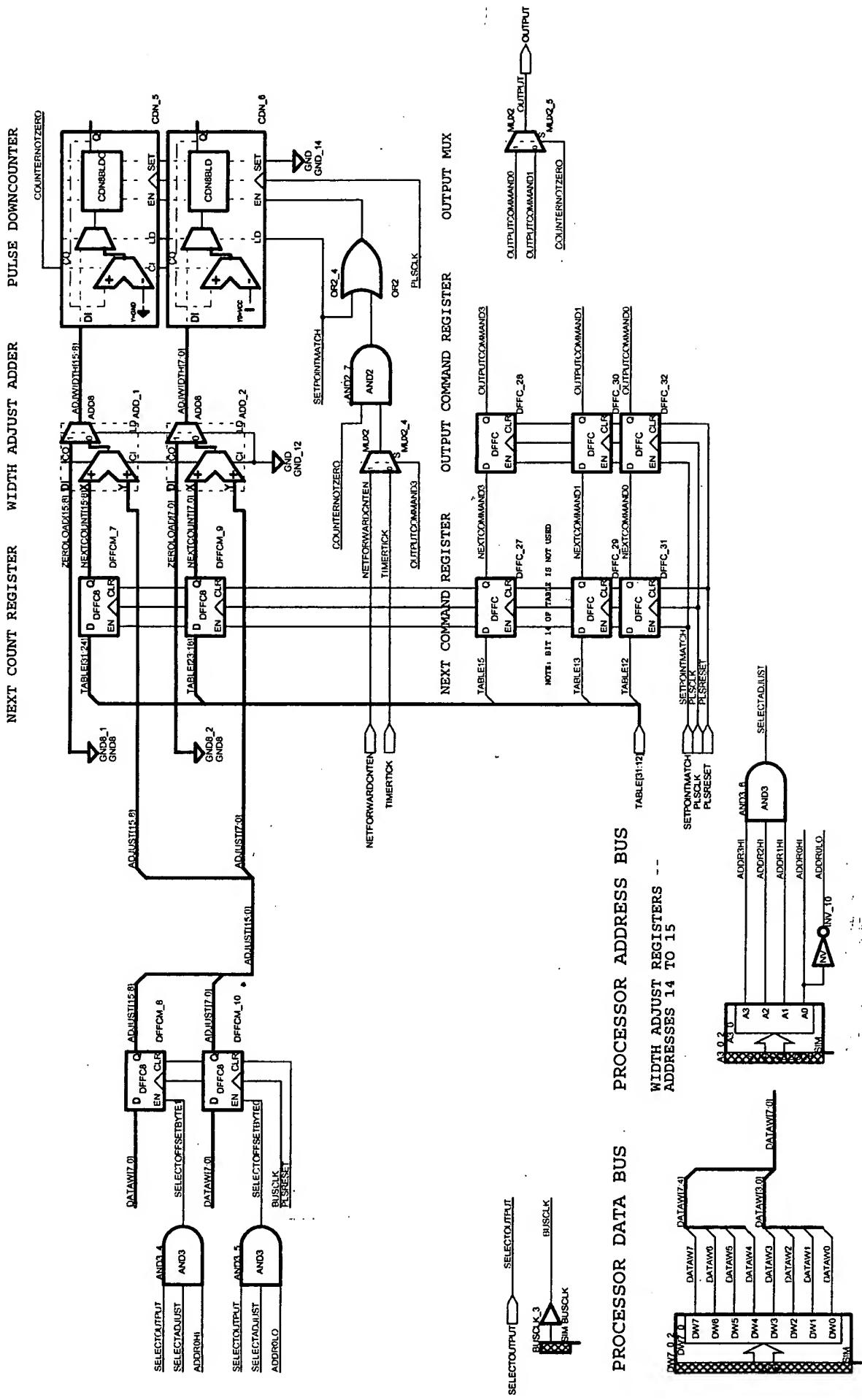


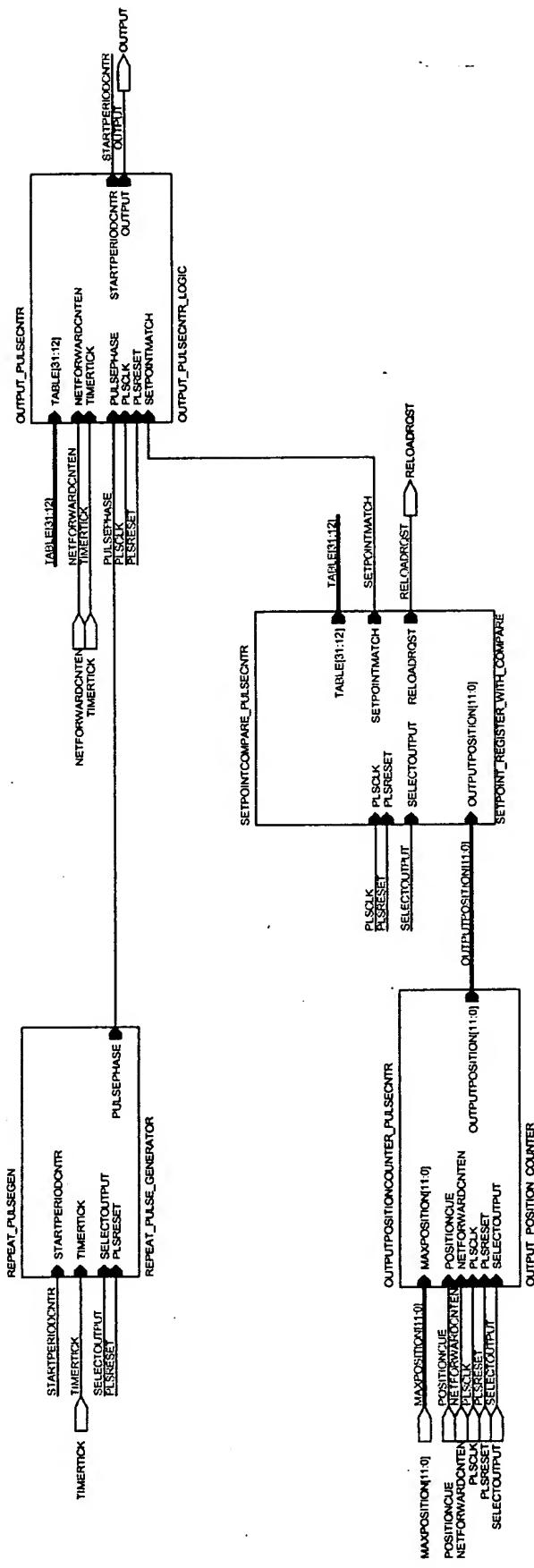
FIGURE 13 -- OUTPUT PULSE LOGIC WITH ADJUSTABLE WIDTH

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FIGURE 14 -- SETPOINT PULSE MODULE WITH OUTPUT PULSE COUNTER



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FIGURE 15 -- REPEAT PULSE GENERATOR

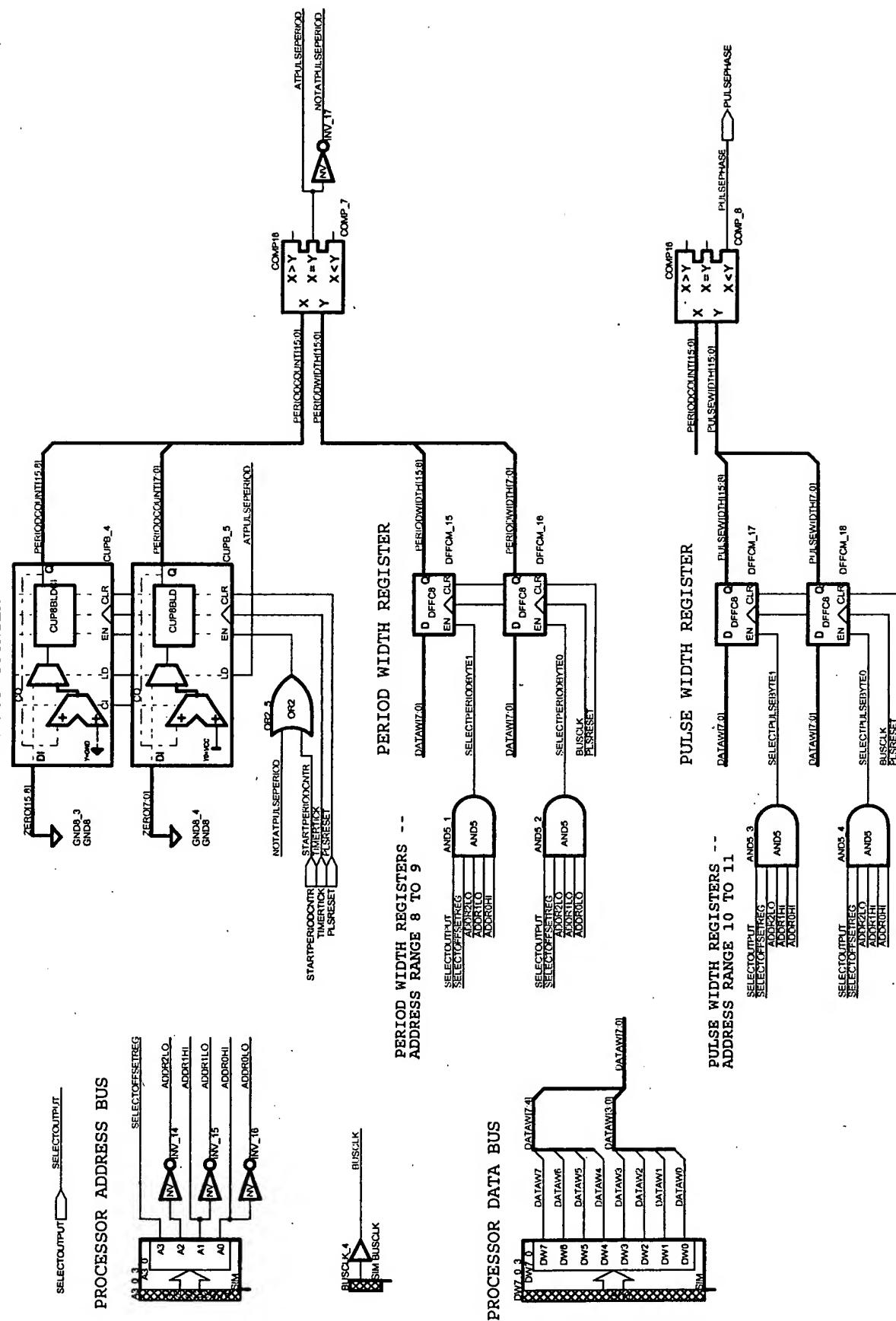


FIGURE 16 -- OUTPUT PULSE CNTR LOGIC

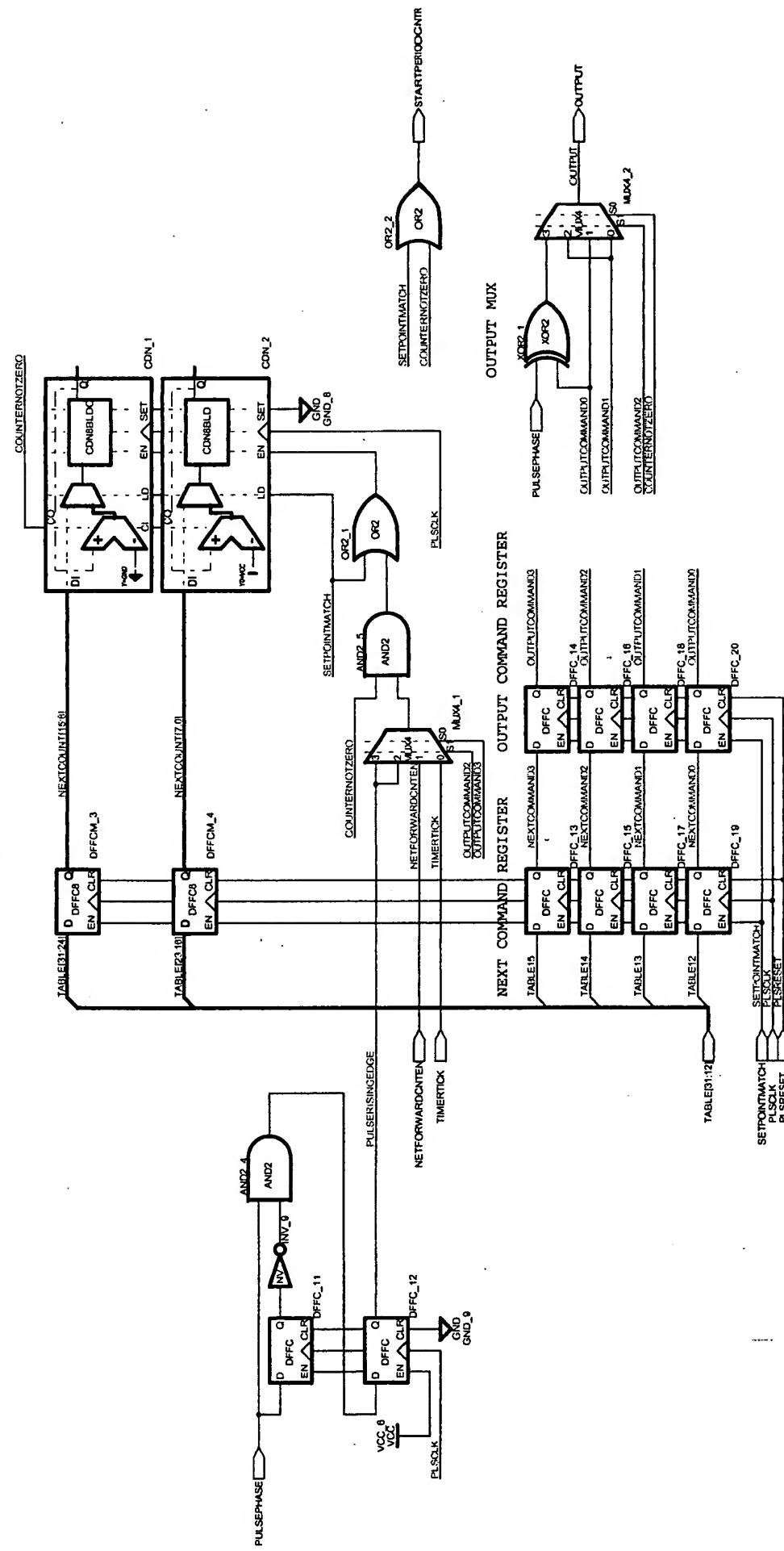
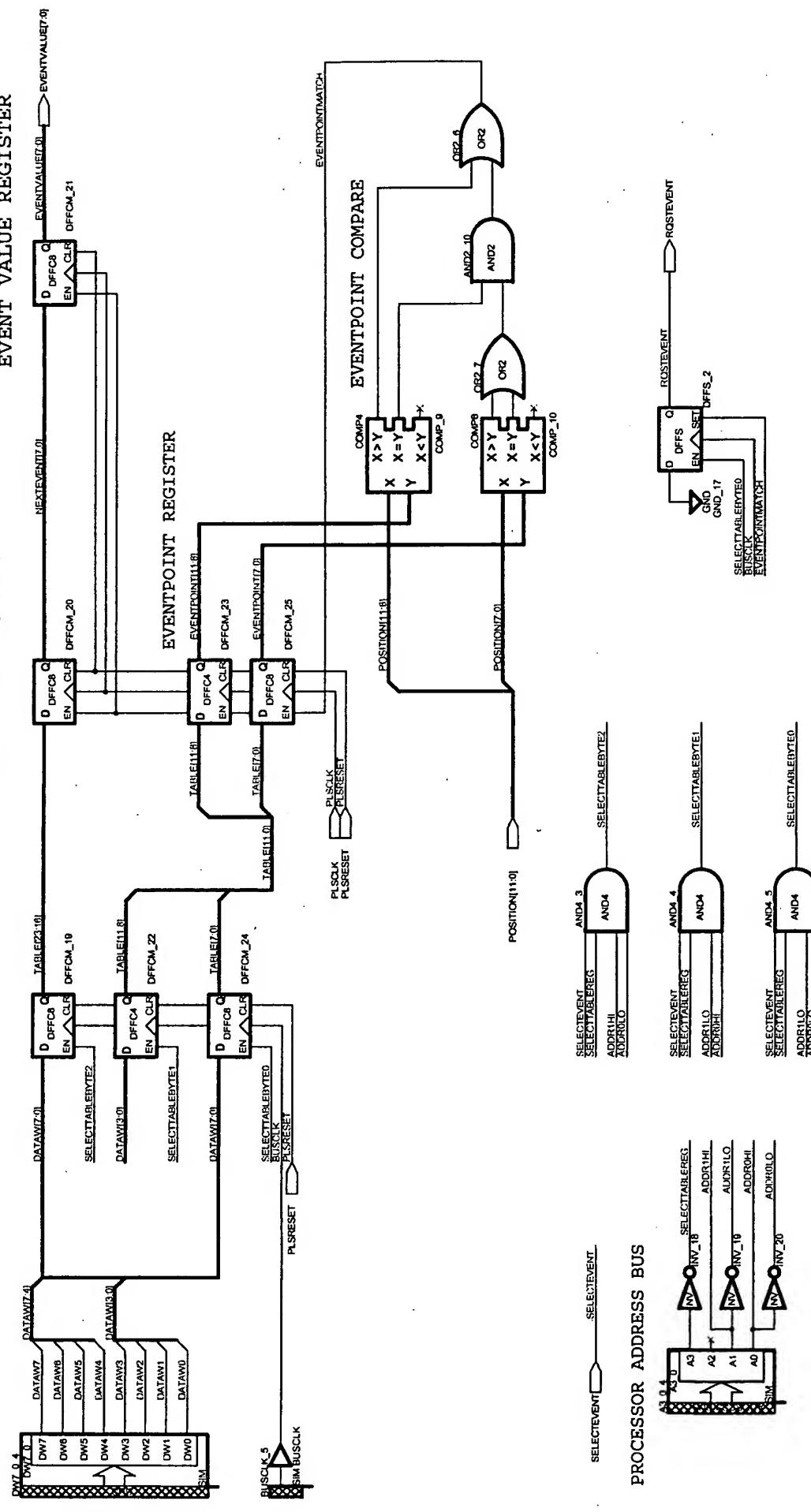


FIGURE 17 -- SET POINT EVENT

PROCESSOR DATA BUS



NEXT EVENT REGISTER

EVENT VALUE REGISTER

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FIGURE 18 -- SPEED CHECK MODULE
ROTATION COUNTER
ROTATION TIME
REGISTER

